Soil Intersection Weighting Failure - SSURGO
Posted by tcochran - 2008/04/18 21:23

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I am getting an error every time I try to intersect the soils and land use layer. AGWA gives me an error message saying that there is a soil intersection weighting failure. I saw that someone else had a similar error below. I have worked a lot with SSURGO soils data, and I was wondering if AGWA has issues with data that uses the the Access 2000 database instead of Access 2002. I have also tried STATSGO soils data and got the same error. Does anyone use the Access 2000 database without issues with the soils data and AGWA? Thank you for your response.

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Re:Soil Intersection Weighting Failure - SSURGO
Posted by danberado - 2008/04/22 09:44

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(I have a similar problem)

I'm getting a soil intersection weighting failure for statsgo while running the San Pedro tutorial.

I downloaded the latest AGWA2 datafiles, which includes a MUID database file for statsgo. The soil layer provide in the tutorial seems to be MUKEY. Is this the source of my problem?

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Re:Soil Intersection Weighting Failure - SSURGO
Posted by tcochran - 2008/04/23 22:59

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I was able to get the soils parameterization to work with the most recent access database version (2002).

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Re:Soil Intersection Weighting Failure - SSURGO
Posted by isburns - 2008/04/24 21:07

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Dan,
The MUID STATSGO uses comp.dbf and layer.dbf files that we provide in the Datafiles download and the MUKEY STATSGO uses the Access database loaded with the data from the Tabular folder that comes with the soils download.

The San Pedro tutorial actually uses the MUID STATSGO for a couple of reasons. MUID STATSGO was the first soils that AGWA 1.5 and then 2.0 supported because at the time the MUKEY STATSGO wasn't available, so naturally the tutorial had to use what was available. Also, because the San Pedro watershed in the tutorial extends into Mexico where STATSGO and SSURGO data aren't available, we

haven't switched to using the MUKEY STATSGO because the MUID STATSGO was easier to merge with the tabular data.

I'm not sure what the soil intersection weighting failure could be in the San Pedro tutorial. I have seen a geodatabase get corrupted during the discretization or element parameterization that caused the soil weighting to fail, so it could be that, but I'm not sure what causes the corruption. If you're still having problems, try starting over with a new delineation.

Shea

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Re:Soil Intersection Weighting Failure - SSURGO
Posted by karrez - 2009/09/23 03:12

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I got the "weighting the soil intersection failed" message while running SSURGO soil data for SWAT. i have perused the posts but haven't found any description of what the problem is or how to fix it.

i think the problem may be associated with the fact that i merged and imported data for 13 counties together to cover my drainage basin. everything looks fine, except for the fact that common MUKEY polygons are split where the county boundaries are. i am including an example.

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Re:Soil Intersection Weighting Failure - SSURGO
Posted by karrez - 2009/09/23 03:14

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i couldn't attach the image. working on it...

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Re:Soil Intersection Weighting Failure - SSURGO
Posted by maheshb - 2009/09/24 21:03

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I'm using MUKEY STATSGO with Access 2002 soil data base. I repeatedly receive an error bar " There were no soil units found for the MUKEY 660591" and then "weighting the soil intersection failed". What does it mean by soil units not found? Is it in Access data base or within soil shape file? Any idea..

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Re:Soil Intersection Weighting Failure - SSURGO
Posted by isburns - 2009/10/05 19:09

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Maheshb,
The message you received occurs when the MUKEYS in the soil shape file are not found within the

Access database. Did you run the Import Macro that pops up when you open the Access database in Access?

Shea

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Re:Soil Intersection Weighting Failure - SSURGO
Posted by isburns - 2009/10/05 19:26

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Karrez,
I replied to your other post. Let's continue the discussion there.

Shea

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